# EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L1 | 0 | 411/154,155,156,158 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/08/31 19:58 |
| L2 | 255 | (411/154,155,156,158).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2006/08/31 19:59 |
| L3 | 308 | (411/544,545).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2006/08/31 19:59 |
| L4 | 527 | 2 3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/08/31 20:02 |
| L5 | 85 | 4 and (serrat$5 or rib$4 or groov$5) with (surface or top or bottom or face or end) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/08/31 20:03 |
| L6 | 26 | (US-3332464-$ or US-3390713-$ or US-3777796-$ or US-4302136-$ or US-0302441-$ or US-5011351-$ or US-5188441-$ or US-5547326-$ or US-5112178-$ or US-5628599-$ or US-5829933-$ or US-6705813-$ or US-5496142-$ or US-6887274-$ or US-6939097-$ or US-4103725-$ or US-4157725-$ or US-4034788-$ or US-2345419-$ or US-5803693-$).did. or (US-3332464-$ or US-3181584-$ or US-3236277-$ or US-2675844-$ or US-2278062-$ or US-1911384-$).did. | USPAT; USOCR | OR | ON | 2006/08/31 20:04 |
| L7 | 20 | ("0948326" \| "1963535" \| "3332464" \| "3631910" \| "3856066").PN. OR ("5112178"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/08/31 20:14 |
| L8 | 11 | ("3332464").URPN. | USPAT | OR | ON | 2006/08/31 20:14 |
| L9 | 26 | ("2275058" \| "2361193" \| "2368193" \| "2516236" \| "2624819" \| "2629791" \| "2753544" \| "3027609" \| "3464308" \| "3909768" \| "4751351" \| "4760221" \| "4822959" \| "5149150" \| "5269499" \| "5496142" \| "6082943").PN. OR ("6705813").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/08/31 20:17 |

8/31/06 9:01:03 PM

Page 1

C:\Documents and Settings\KMitchell1\My Documents\EAST\Workspaces\10511132 Self locking concave washer with ridges fastener.ws

| L10 | 34 | ("0212549" \| "0405632" \| "0621456" \| "0968991" \| "1143091" \| "1208620" \| "1598165" \| "1896650" \| "2369865" \| "2779376" \| "3009176" \| "3077218" \| "3476009" \| "3948141" \| "4347024" \| "4450616" \| "4808050" \| "4971498" \| "5547326").PN. OR ("5829933").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/08/31 20:20 |
|-----|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----|-----|------------------|
| L11 | 15 | ("1963535" \| "3037221" \| "3332464" \| "3476009" \| "3628584" \| "3856066" \| "4302136" \| "5112178" \| "5188441").PN. OR ("5547326").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/08/31 20:21 |
| L12 | 7 | ("1143091").URPN. | USPAT | OR | ON | 2006/08/31 20:26 |
| S1 | 51 | (411/371.2).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2006/04/26 18:47 |
| S2 | 275 | (411/176).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2006/04/26 18:47 |
| S3 | 56 | (411/156).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2006/04/26 18:47 |
| S4 | 79 | (411/371.2).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/04/26 18:47 |
| S5 | 76 | (411/156).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/04/26 18:47 |
| S6 | 466 | (411/176).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/04/26 18:47 |
| S7 | 107 | S4 or S5 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/04/26 18:48 |
| S8 | 30 | S7 and (rib or ribbed or groove or ribbing or ridge or ridged) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/04/26 18:51 |

| S9 | 3 | ("3332464"|"3390713"|"0302441").PN. | US-PGPUB; USPAT | OR | ON | 2006/04/26 18:51 |
|---|---|---|---|---|---|---|
| S10 | 9 | (US-6705813-$ or US-5547326-$ or US-5188441-$ or US-5112178-$ or US-4302136-$ or US-3777796-$ or US-3390713-$ or US-3332464-$ or US-0302441-$).did. | USPAT | OR | ON | 2006/04/26 18:52 |
| S11 | 26 | ("2275058" \| "2361193" \| "2368193" \| "2516236" \| "2624819" \| "2629791" \| "2753544" \| "3027609" \| "3464308" \| "3909768" \| "4751351" \| "4760221" \| "4822959" \| "5149150" \| "5269499" \| "5496142" \| "6082943").PN. OR ("6705813").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/04/26 18:54 |
| S12 | 15 | ("1963535" \| "3037221" \| "3332464" \| "3476009" \| "3628584" \| "3856066" \| "4302136" \| "5112178" \| "5188441").PN. OR ("5547326").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/04/26 18:52 |
| S13 | 27 | ("2096041" \| "2426974" \| "3572851" \| "3767275" \| "3782787" \| "3785420" \| "3838894" \| "3865441" \| "3930689" \| "3973808" \| "4059315" \| "4095849" \| "4218101" \| "4322193").PN. OR ("5188441").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/04/26 18:52 |
| S15 | 20 | ("0948326" \| "1963535" \| "3332464" \| "3631910" \| "3856066").PN. OR ("5112178").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/04/26 18:53 |
| S16 | 22 | ("0329738" \| "1020438" \| "2345419" \| "2624128" \| "3097679" \| "3221792" \| "3476009" \| "4103725").PN. OR ("4302136").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/04/26 18:53 |
| S17 | 21 | ("1547162" \| "2254288" \| "3181584").PN. OR ("3777796").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/04/26 18:53 |
| S18 | 4 | ("3390713").URPN. | USPAT | OR | ON | 2006/04/26 18:53 |
| S19 | 11 | ("3332464").URPN. | USPAT | OR | ON | 2006/04/26 18:53 |
| S20 | 1 | ("302441").URPN. | USPAT | OR | ON | 2006/04/26 18:54 |
| S21 | 134 | S11 S12 S13 S15 S16 S17 S18 S19 S20 | US-PGPUB; USPAT; USOCR | OR | ON | 2006/04/26 18:54 |

8/31/06 9:01:03 PM

Page 3
C:\Documents and Settings\KMitchell1\My Documents\EAST\Workspaces\10511132 Self locking concave washer with ridges fastener.ws

# EAST Search History

| S22 | 20 | (US-6705813-$ or US-5547326-$ or US-5188441-$ or US-5112178-$ or US-4302136-$ or US-3777796-$ or US-3390713-$ or US-3332464-$ or US-0302441-$ or US-6939097-$ or US-6887274-$ or US-5829933-$ or US-5628599-$ or US-5496142-$ or US-5011351-$ or US-4157725-$ or US-4103725-$ or US-2345419-$). did. or (US-3332464-$ or US-3181584-$).did. | USPAT; USOCR | OR | ON | 2006/04/26 21:42 |
|-----|-----|---------------------------------|---------------|----|----|-----------------|
| S23 | 11 | ("3332464").URPN. | USPAT | OR | ON | 2006/04/26 19:17 |
| S24 | 864 | (washer or shim) same (rib$4 or groov$4 or ridg$4) same (concave or convex or concavity or camber or cambered) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/04/26 21:19 |
| S25 | 5242 | (washer or shim) same (rib$4 or groov$4 or ridg$4) same (concave or convex or concavity or camber or cambered) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/04/26 21:19 |
| S26 | 1321 | (washer or shim) with (rib$4 or groov$4 or ridg$4) same (concave or convex or concavity or camber or cambered) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/04/26 21:20 |
| S27 | 381 | (washer or shim) with (rib$4 or groov$4 or ridg$4) same (concave or convex or concavity or camber or cambered) same (locking or lockable or lock or locked) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/04/26 21:42 |
| S28 | 24 | (US-6705813-$ or US-5547326-$ or US-5188441-$ or US-5112178-$ or US-4302136-$ or US-3777796-$ or US-3390713-$ or US-3332464-$ or US-0302441-$ or US-6939097-$ or US-6887274-$ or US-5829933-$ or US-5628599-$ or US-5496142-$ or US-5011351-$ or US-4157725-$ or US-4103725-$ or US-2345419-$). did. or (US-3332464-$ or US-3181584-$).did. | USPAT; USOCR | OR | ON | 2006/04/26 21:41 |

# EAST Search History

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|---|---|---|---|---|---|---|
| S29 | 24 | (US-6705813-$ or US-5547326-$ or US-5188441-$ or US-5112178-$ or US-4302136-$ or US-3777796-$ or US-3390713-$ or US-3332464-$ or US-0302441-$ or US-6939097-$ or US-6887274-$ or US-5829933-$ or US-5628599-$ or US-5496142-$ or US-5011351-$ or US-4157725-$ or US-4103725-$ or US-2345419-$). did. or (US-3332464-$ or US-3181584-$ or US-3236277-$ or US-2675844-$ or US-2278062-$ or US-1911384-$).did. | USPAT; USOCR | OR | ON | 2006/04/26 21:41 |
| S30 | 0 | S29 not S28 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/04/26 21:41 |
| S31 | 24 | (US-6705813-$ or US-5547326-$ or US-5188441-$ or US-5112178-$ or US-4302136-$ or US-3777796-$ or US-3390713-$ or US-3332464-$ or US-0302441-$ or US-6939097-$ or US-6887274-$ or US-5829933-$ or US-5628599-$ or US-5496142-$ or US-5011351-$ or US-4157725-$ or US-4103725-$ or US-2345419-$). did. or (US-3332464-$ or US-3181584-$).did. | USPAT; USOCR | OR | ON | 2006/04/26 21:42 |
| S32 | 1 | ("1911384").URPN. | USPAT | OR | ON | 2006/04/26 21:44 |
| S33 | 37 | ("0367196" \| "0796671" \| "1368604" \| "1592438" \| "1875930" \| "1911384" \| "1926917" \| "1933871" \| "2112494" \| "2226491" \| "2509158" \| "2619416" \| "2675844" \| "2707012" \| "3343580" \| "4034788" \| "4350465").PN. OR ("4741654").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/04/26 21:44 |
| S34 | 25 | (US-6705813-$ or US-5547326-$ or US-5188441-$ or US-5112178-$ or US-4302136-$ or US-3777796-$ or US-3390713-$ or US-3332464-$ or US-0302441-$ or US-6939097-$ or US-6887274-$ or US-5829933-$ or US-5628599-$ or US-5496142-$ or US-5011351-$ or US-4157725-$ or US-4103725-$ or US-2345419-$ or US-4034788-$).did. or (US-3332464-$ or US-3181584-$ or US-3236277-$ or US-2675844-$ or US-2278062-$ or US-1911384-$). did. | USPAT; USOCR | OR | ON | 2006/04/26 21:48 |

8/31/06 9:01:03 PM

Page 5

C:\Documents and Settings\KMitchell1\My Documents\EAST\Workspaces\10511132 Self locking concave washer with ridges fastener.ws

| S35 | 1 | 10/511132 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/08/30 21:05 |
|-----|---|-----------|-----------------------------------|----|----|------------------|